

Substitute for form 1449A/PTO

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(use as many sheets as necessary)

Sheet 1 of   **Complete If Known**

Application Number	09/894,862
Filing Date	June 27, 2001
First Named Inventor	L e, Michael
Art Unit	2123
Examiner Name	Unassigned
Attorney Docket Number	020174-005400US

COPY OF PAPERS  
ORIGINALLY FILED**U.S. PATENT DOCUMENTS**

Examiner	Cite No. <sup>1</sup>	Document Number Number Kind Code <sup>2</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
T.P.	AA	US-5,867,399	02/02/1999	Rostoker, et al.	
T.P.	AB	US-6,048,498	04/11/2000	Colin B. Kennedy	

**FOREIGN PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
		Country Code <sup>3</sup>	Number <sup>4</sup> Kind Code <sup>5</sup> (if known)				

RECEIVED

JUL 12 2002

Technology Center 2100

Examiner Signature	<i>shayhan</i>	Date Considered	11/20/05
-----------------------	----------------	--------------------	----------

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Unique citation designation number. <sup>2</sup> See attached Kinds of U.S. Patent Documents. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

PA 3233558 v1

Please type a plus sign (+) inside this box +

PTO/SB/08A (08-00)

Approved for use through 10/31/2002. OMB 0651-0031  
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/PTO

# **INFORMATION DISCLOSURE STATEMENT BY APPLICANT**

(use as many sheets as necessary)

Sheet **1** of **1**

## **Complete If Known**

Application Number	09/894,862
Filing Date	June 27, 2001
First Named Inventor	Lee, Michael
Group Art Unit	2123
Examiner Name	Unassigned
Attorney Docket Number	020174-005400US Group 2100

## **U.S. PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code <sup>2</sup> (if known)			
T.P.	AA	4,965,743		Malin, et al.	10/23/1990	
T.P.	AB	4,797,842		Nackman, et al.	01/10/1989	
T.P.	AC	5,487,003		Iwasawa, et al.	01/23/1996	
T.P.	AD	5,574,893		Southgate, et al.	11/12/1996	
T.P.	AE	5,812,394		Lewis, et al.	09/22/1998	
T.P.	AF	6,056,428		Devoine, et al.	05/02/2000	
T.P.	AG	6,149,870		Parce, et al.	11/21/2000	
T.P.	AH	6,182,020 B1		Brent Alan Fairbanks	01/30/2001	
T.P.	AI	6,235,175 B1		Dubrow, et al.	05/22/2001	
T.P.	AJ	6,274,337 B1		Parce, et al.	08/14/2001	

## **FOREIGN PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
		Office <sup>3</sup>	Number <sup>4</sup>	Kind Code <sup>5</sup> (if known)				

Examiner  
Signature

*Thapchan*

Date  
Considered

1/30/05

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Unique citation designation number. <sup>2</sup> See attached Kinds of U.S. Patent Documents. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

PA 3182686 v1

Please type a plus sign (+) inside this box

PTO/SB/08B (08-00)

Approved for use through 10/31/2002. OMB 0651-0031  
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE  
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number

Substitute for form 1449B/PTO

JAN 02 2002

# INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet 2

of

Complete if Known

RECEIVED

Application Number 09/894,862  
Filing Date June 27, 2001  
First Named Inventor Lee, Michael  
Group Art Unit 2123  
Examiner Name Unassigned  
Attorney Docket Number 020174-005400US

JAN 08 2002

Group 2100

## OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS

Examiner Initials *	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
T.P.	AK	Chou, Hou-Pu, et al., "Microfabricated Devices for Sizing DNA and Sorting Cells," <i>Micro- and Nanofabricated Structures and Devices for Biomedical Environmental Applications</i> , (1998) Vol. 3258:pp 187-7.	
T.P.	AL	Chou, Hou-Pu, et al., "Disposable Microdevices for DNA Analysis and Cell Sorting," <i>Proc. Solid-State Sensor and Actuator Workshop</i> , (June 1998) pp:11-14.	
T.P.	AM	Chou, Hou-Pu, et al., "A Microfabricated Device for Sizing and Sorting DNA Molecules," <i>Proc. Natl. Acad. Sci. USA</i> , (Jan. 1999) Vol. 96:pp 11-13.	
T.P.	AN	Chou, Hou-Pu, et al., "Integrated Elastomer Fluidic Lab-on-a-Chip-Surface Patterning and DNA Diagnostics," <i>Departments of Electrical Engineering and Applied Physics, Caltech, Pasadena, California 91125, USA</i>	
T.P.	AO	Fu, Anne Y., et al., "A Microfabricated Fluorescence-Activated Cell Sorter," <i>Nature Biotechnology</i> , (Nov. 1999) Vol. 17:pp 1109-1111.	
T.P.	AP	Quake, Stephen R., et al., "From Micro- to Nanofabrication with Soft Materials," <i>Science</i> (Nov. 2000) Vol. 290:pp 1536-1540.	
T.P.	AQ	Thorsen, Todd, et al., "Dynamic Pattern Formation in a Vesicle-Generating Microfluidic Device," <i>Physical Letters Review</i> (April 2001) Vol. 86, No. (18):pp 4163-4166.	
T.P.	AR	Unger, Marc A., et al., "Monolithic Microfabricated valves and Pumps by Multilayer Soft Lithography," <i>Science</i> (April 2000) Vol. 288:pp 113-116.	
T.P.	AS	Weigl, Bernhard H., "Microfluidics-Based Lab-on-a-Chip Systems," <a href="http://www.device-link.com/archive/00/11/008.h">www.device-link.com/archive/00/11/008.h</a>	

3182651

Examiner  
Signature

Thaiphon

Date  
Considered

1/20/05

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Unique citation designation number. <sup>2</sup> Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.  
PA 3182686 v1